RESTRICTED CIRCULATION

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POLLEN RELEASE PATTERN IN JUNE

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It is difficult to relate a release pattern to calender date because firstly, the start varies with the weather of April and May, and secondly the behaviour after the start depends on the weather of June.

A clearer picture of the release pattern can be obtained by relating the daily pollen count with the proportion of the total release which has taken place before the day in question.

Allowing for the influence of wind direction, ignoring days with rain and averaging the daily pollen units (counts divided by seasonal total in thousands), it is found:-

Preceding total (percentage)	Average daily pollen units
0 - 5	6
5 - 10	19
10 - 15	32
15 - 20	40
20 - 25	33
25 - 30	34
30 - 35	44
35 - 40	34
40 - 45	39
45 - 50	30
50 - 55	23
55 - 60	36
60 - 65	29
65 - 70	20
70 - 75	20
75 - 80	13
80 - 85	9
85 - 90	11

This suggests a pattern of a rapid rise from zero to 10%, a maximum about 35 per cent, and a linear decrease beyond 60%. The pattern between 10 per cent and 60 per cent is somewhat similar to the segment of a circle, but there are suspicions of a skewness towards the earlier side and the possibility of a secondary maximum around 60 per cent. The latter may be due to a later release maximum of pollen of a different grass variety.

Any comments or suggestions on this paper should be referred to the author.

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